

# **Energy Efficiency Planning Iowa's Investor-owned Utilities**

**Interim Legislative Committee  
On Energy Efficiency  
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Iowa Utility Association**

## **Investor-Owned Utilities**

- Alliant Energy /  
Interstate Power and Light
- MidAmerican Energy Company
- Aquila, Inc
- Atmos Energy
  - Granted IUB Waiver from Joint Study
  - Maintain Existing Energy Efficiency Programs

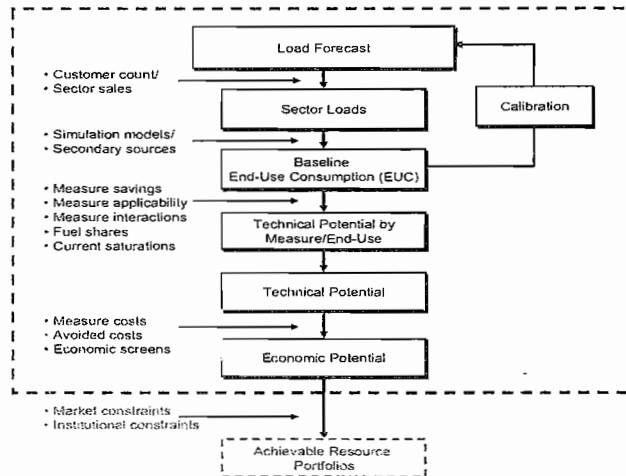
## **Iowa Utility Association Coordinates Joint Planning**

- **Assessment of Energy and Capacity Savings Potential in Iowa**
  - Required by Statute
  - Provides key data to utilities for developing energy efficiency plans
- **Joint Low Income Programs**
  - Low Income Weatherization with DHR  
IOUs Fund 31% of State Program
  - Multi-Family Energy Efficiency Improvement Program with IFA
  - Low Income Energy Education Program with Community Action Agencies

## **Elements and Scope of Assessment of Potential Study**

1. **Primary data collection**
  - Market and technology characterization
2. **Energy efficiency resource potentials**
  - Energy (gas, electricity)
  - Capacity (electricity)
3. **Demand response resource potentials**
4. **Renewable resource potentials**
  - Active sources
  - Passive sources (considered under energy efficiency)
5. **Low-income housing assessment**
6. **Residential code compliance**
7. **Free-rider effects**
8. **Impacts and implications of structural changes (e.g. EPACT)**
9. **Leading program concepts and practices**

## Assessment of resource potential



## Scope of the Energy Efficiency Analysis

1. **Sectors:** residential, commercial, industrial
2. **Customer segments:** residential (4, including low-income), commercial (12), industrial (16)
3. **End-uses:** HVAC, WH, clothes washing/drying, lighting, plug loads, industrial processes, etc.
4. **Efficiency measures and technologies**
  - Electric measures:
    - Technical potential: 295 unique measures (5,102 combinations)
    - Economic potential: 172 unique measures
  - Gas measures
    - Technical potential: 110 unique measures (2,025 combinations)
    - Economic potential: 85 unique measures

## **Participation by Office of Consumer Advocate**

Both the OCA and the Utilities have different obligations with respect to the outcome of the study, however we believe the active participation of the OCA and its consultant throughout this study will narrow the contested issues that are litigated while increasing the possibility of reaching settlement on broader Issues

## **Joint Study Collaboration**

- **A wide array of interested parties participated in 3 Stakeholder Meetings in May- August – October**
- **Government**
  - DNR, DHR, DPS
  - Building Code Office, Iowa Energy Center
  - IUB CANNOT participate in these discussions
- **Environmental Advocates**
  - Iowa Environmental Council, I-Renew
  - Sierra Club, Iowa and Regional Chapters
  - Iowa Center on Sustainable Communities
- **Customer groups**
  - Low-Income Advocates
  - Iowa Industrial Energy Group
- **Commercial groups**
  - HAVC Dealers, Equipment Suppliers
  - Contractors, Consultants, Home Builders
- **Utilities:**
  - Municipal and Rural Electric Cooperatives
- **Collaboration will continue with stakeholder meetings planned to be held by the three individual utilities**

## **IOU Process Upon Completion of Assessment Study**

Each utility

- Develops EE program concepts
- Conducts collaborative meetings with interested stakeholders
- Develops final plan with individual Energy Efficiency Programs
- Sends preliminary notice of new EE plan filing to customers
- Files entire new plan including testimony with the IUB

**Once utilities file their energy  
efficiency plans and testimony  
the process continues at  
the Iowa Utilities Board  
until**

**\*\*\*\*\***

**the IUB issues an order  
approving the utility's plan,  
the utility completes arrangements  
for program delivery and begins  
implementation of their  
Energy Efficiency Programs**